



U.S. Department of Energy's Office of Science

Status of the SLI Excess Facilities Disposition Program

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SC-31.2



Topics

- FY 2004 Accomplishments
- FY 2005 Projects
- Plans for FY 2006
- SC Space Bank



FY 2004 Accomplishments

Semi-Annual Report: September 30, 2004

| Project Number | Project | Estimated Cost - \$ Thousands | Square Footage to be Removed/Cleaned-Up | Status of Project as of 9/30/04 | Cost/Scope/Schedule |
|----------------------|--|-------------------------------|---|---------------------------------|--|
| 04-AMES-1 | Waste Handling Facility Closeout and Demolition | \$ 150 | | Completed | Within Baseline |
| 04-ANL-1 | Bldg. 202 (N&P Kennels) Partial Disposal | \$ 230 | 4,000 | Completed | Within Baseline |
| 04-ANL-2 | Bldg. 202,D-149 Lead Vault Demolition | \$ 230 | 192 | Underway | Completed 10/8/04 |
| 04-ANL-3 | Bldg. 205 G101 Junior Cave Remediation Project | \$ 289 | 200 | Completed | Within Baseline |
| 04-ANL-4 | Bldg. 317 Baler Building Demolition | \$ 192 | 1,100 | Underway | Completion projected by 12/31/04 |
| 04-ANL-5 | Bldg. 329 Demolition | \$ 38 | 1,000 | Completed | Within Baseline |
| 04-BNL-01 | Bldg. 206/207/208/457/458 Demolition | \$ 725 | 33,655 | Underway | Demolition of Bldg. 206 completed 10/30/004 |
| 04-BNL-02 | Bldg. 88 Demolition | \$ 250 | 9,323 | Completed | Within Baseline |
| 04-BNL-03 | Bldg 919F Demolition | \$ 18 | 41 | Completed | Within Baseline |
| 04-FNAL-01 | Bubble Chamber Demolition | \$ 233 | 3,000 | Completed | Within Baseline |
| 04-LBNL-01 | Remove Upper Layer Roof Concrete Shielding Blocks & Beamline Components | \$ 500 | | Completed | Within Baseline |
| 04-LBNL-02 | Remove Shielding Blocks, Beamlines, etc., Three Transportainers, and Lead Dust Filters and Fan Equipment | \$ 1,000 | 2,000 | Completed | Within Baseline |
| 04-LBNL-03 | Bldg. 29D Demolition | \$ 25 | 276 | Planning | Completion projected by 2/1/05 |
| 04-LLNL-01 | Remove MFE Legacy Facilities at B445 | \$ 250 | 8,000 | Completed | Within Baseline |
| 04-ORNL-01 | Bldg. 2069/7010/2016/7055 Demolition | \$ 586 | 14,523 | Completed | Within Baseline |
| 04-ORNL-02 | Bldg. 5000 Demolition | \$ 174 | 4,360 | Completed | Within Baseline |
| 04-PPPL-01 | PBX-M/PLT Subsystem Removals and C-site Cooling Tower Demolition | \$ 980 | 18,200 | Completed | Within Baseline |
| 04-SLAC-01 | B Target Room (End Station B Building) Cleanout | \$ 150 | 3,000 | Underway | Delayed due to safety concerns about capacity of lifting equipment |
| HQ | Reserve | | | | |
| Total FY 2004 | | \$ 6,020 | 102,870 | | |



FY 2005 Projects

**Table 3 - Status of Office of Science FY 2005 Excess Facilities Disposition Projects
Semi-Annual Report: March 31, 2005**

| Project Number | Project | Estimated Cost - \$ Thousands | Square Footage to be Removed/Cleaned-Up | Annual S&M Savings-\$K | Deferred Maintenance Elimination-\$K | Status of Project as of 3/31/05 | Cost/Scope/Schedule |
|----------------|---|-------------------------------|---|------------------------|--------------------------------------|---------------------------------|---------------------|
| 05-AMES-1 | Waste Handling Facility Closeout and Demolition-Cont'd | \$ 150 | 9,000 | \$ 30 | | | |
| | Total FY05 | \$ 150 | 9,000 | \$ 30 | \$ - | | |
| 05-ANL-1 | Remediation | \$ 50 | 280 | \$ 4 | | | |
| 05-ANL-2 | Project | \$ 510 | 2,133 | \$ 12 | | | |
| 05-ANL-3 | Bldg. 370 Alkali Metal Loop Demolition | \$ 120 | 315 | \$ 5 | | | |
| 05-ANL-4 | Bldg. 40 Demolition Project Phase I | \$ 370 | | \$ 15 | | | |
| 05-ANL-5 | Bldg. 205 K-116 Remediation Project | \$ 185 | 150 | \$ 9 | | | |
| 05-ANL-6 | Bldg. 325C Demolition | \$ 187 | 700 | \$ 23 | | | |
| | Total FY05 | \$ 1,422 | 3,578 | \$ 68 | \$ - | | |
| 05-BNL-01 | Bldg 527 Demolition | \$ 90 | 2,869 | \$ 4 | | | |
| 05-BNL-02 | Bldg 197 (Partial, Acid bath Area) Demolition | \$ 50 | 1,546 | \$ 1 | | | |
| 05-BNL-03 | Bldg 422 (Partial, Fire Area-Old Paint Shop) | \$ 50 | 1,264 | \$ 1 | | | |
| 05-BNL-04 | Bldg 492 Demolition | \$ 80 | 1,243 | \$ 1 | | | |
| 05-BNL-05 | Bldg 933B Demolition | \$ 40 | 1,179 | \$ 1 | | | |
| 05-BNL-06 | Bldg 650A Demolition | \$ 60 | 1,246 | \$ - | | | |
| 05-BNL-07 | Bldg 934 Demolition | \$ 35 | 810 | \$ 1 | | | |
| | Total FY05 | \$ 405 | 10,157 | \$ 9 | \$ - | | |
| 05-FNAL-01 | Muon Enclosure Demolition-2 | \$ 125 | 790 | \$ 2 | | | |
| | Total FY05 | \$ 125 | 790 | \$ 2 | \$ - | | |
| 05-LBNL-01 | Development of Conceptual Design, Environmental & CD-1 Docs for Bevatron Demolition Project | \$ 1,360 | | | | | |
| | Total FY05 | \$ 1,360 | 0 | \$ - | \$ - | | |
| 05-LLNL-01 | Remove MFE Legacy Facilities at B445-Continued | \$ 150 | | | | | |
| | Total FY05 | \$ 150 | 0 | \$ - | \$ - | | |
| 05-ORISE-01 | Bldg. SC-2, Isotope Laboratory, Demolition | \$ 565 | 952 | | | | |
| | Total FY05 | \$ 565 | 952 | \$ - | \$ - | | |
| 05-ORNL-01 | Bldg. 2001 Demolition | \$ 1,267 | 25,338 | \$ 56 | | | |
| 05-ORNL-02 | Bldg. 2024 Demolition | \$ 412 | 10,300 | \$ 15 | | | |
| | Total FY05 | \$ 1,679 | 35,638 | \$ 71 | \$ - | | |
| 04-PPPL-01 | Demolition of Health Physics Calibration and Service Laboratory | \$ 55 | 2,170 | | | | Within Baseline |
| | Total FY05 | \$ 55 | 2,170 | \$ - | \$ - | | |
| HQ | Reserve | \$ 140 | | | | | |
| | Total FY 2004 | \$ 6,051 | 62,285 | \$ 180 | \$ - | | |



Plans for FY 2006

In FY 2006, funding of \$14,637,000 will support the 10 projects listed below and allow for the clean-up/removal of an estimated 80,000 square feet of space:

- Ames (\$45,000) – Demolition of Hydrogen Test Cell Facility (900 sq. ft.)
- ANL-E (\$770,000) – Bldg. 200 Heavy Isotopes Hood/Equipment Demolition and Bldg. 205 F-111 Excess/Contaminated Media and Equipment Clean-up (Phase 2) (approximately 3,100 sq. ft.)
- BNL (\$600,000) – Demolition of Building 86 and Demolition of Building 650, Phase 1 (approximately 11,000 sq. ft.)
- FNAL (\$125,000) – Demolition of Two Muon Enclosures (approximately 800 sq. ft.)
- LBNL (\$11,046,000) – This funding will support removal of Building 51A of the Bevatron complex, a 28,478 square foot high bay structure. It will also support activities required to execute total removal of the Building 51/ Bevatron complex, including: surveys and planning activities, such as engineered plans and specifications for the demolition of the Bevatron and Building 51; waste management plan; characterization plan; health & safety plan; and community relations plan. The FY 2006 funding will also support utility relocations, preliminary hazardous material abatement, and removal of abandoned electrical equipment. (approximately 28,000 sq. ft.)
- LLNL (\$150,000) – Demolition of Magnetic Fusion Energy Legacy Facilities at Building 445, Phase 3 (approximately 7,000 sq. ft.)
- ORISE (\$768,000) – Demolition of Building SC-5, Large Animal Containment Facility (approximately 5,600 sq. ft.)
- ORNL (\$1,133,000) – Demolition of Building 2000 (approximately 23,000 sq. ft.)



Status of SC Space Bank-1

Estimated Area and Schedule for Projects Subject to the One-for-One Offset Requirement*

| Site | Project Name | Project Number | Estimated Area (square feet) | Fiscal Year Anticipated Construction Start Year | Anticipated Construction Completion Year | |
|--|--|----------------|------------------------------|---|--|--|
| Oak Ridge (ORISE) | GPP Project | N/A | 5,600 | 2003 | 2004 | |
| ORISE | SC-200 Construction (GPP) | AA0D0063 | 21,500 | 2004 | 2004 | |
| SLAC | SSRL Office Trailer (GPP) | N/A | 2,160 | 2004 | 2004 | |
| Total FY 2004 Pending | | | 29,260 | | | |
| Lawrence Berkley (LBNL) | GPP Projects | N/A | 1,200 | 2003 | 2005 | |
| Total FY 2005 Pending | | | 1,200 | | | |
| Oak Ridge (ORNL) | Center for Nanophase Materials Science | 03-R-312 | 80,000 | 2003 | 2006 | |
| Stanford Linear Accelerator Center | Linac Coherent Light Source | 05-R-320 | 50,000 | 2006 | 2006 | |
| Total FY 2006 Pending | | | 130,000 | | | |
| Lawrence Berkley (LBNL) | The Molecular Foundry | 04-R-313 | 96,000 | 2004 | 2007 | |
| Brookhaven National Laboratory | Research Support Building Ph 1 | MEL-001-027 | 65,000 | 2004 | 2007 | |
| Sandia National Lab (SNL)* | Center for Integrated Nanotechnologies | 03-R-313 | 95,000 | 2004 | 2007 | |
| Los Alamos Lab (LANL)* | Center for Integrated Nanotechnologies | 04-R-314 | 34,000 | 2004 | 2007 | |
| Thomas Jefferson National Accel. Facility | CEBAF Center Addition Ph 1 | MEL-001-033 | 59,000 | 2005 | 2007 | |
| Stanford Linear Accelerator Center | Linac Coherent Light Source | 05-R-320 | 30,000 | 2006 | 2007 | |
| Total FY 2007 Pending | | | 250,000 | | | |
| Brookhaven National Laboratory | Center for Functional Nanomaterials | 05-R-321 | 95,000 | 2005 | 2008 | |
| Total FY 2008 Pending | | | 95,000 | | | |
| | Grand Total | | 505,460 | | | |
| *Project funded by SC, space provided by NNSA. Not included in totals. | | | | | | |
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*Courtesy ME-90



Status of DC Space Bank-2

Eliminated Area Banked to Offset New Facility Construction

| SITE NAME | Banked Area FY 2002 | Banked Area FY 2003 | Banked Area FY 2004 | | Total Area Banked to Date | New Construction Completed in 2003 Subject to Offset | New Construction Completed in 2004 Subject to Offset | Balance of Banked Area |
|---|------------------------|------------------------|------------------------|-----|------------------------------|--|--|---------------------------|
| Ames Laboratory | 0 | 0 | 0 | | 0 | | 0 | 0 |
| Argonne National Laboratory East (New Brunswick Laboratory) | 89,950 | 3,526 | -88,535 | (1) | 4,941 | | 0 | 4,941 |
| Brookhaven National Laboratory | 97,518 | 19,760 | 38,836 | | 156,114 | | 0 | 156,114 |
| Fermi National Accelerator Facility | 0 | 1,836 | 1,494 | | 3,330 | | 0 | 3,330 |
| Lawrence Berkeley National Laboratory | 15,639 | 81,960 | 44,775 | | 142,374 | | 0 | 142,374 |
| Oak Ridge Reservation (ORNL, BNFL, Wackenhut, and ORISE) | 61,609 | -6,277 | 41,255 | | 96,587 | | 82,040 | 14,547 |
| Princeton Plasma Physics Laboratory | 0 | 0 | 0 | | 0 | | 0 | 0 |
| Stanford Linear Accelerator Center | 16,043 | 6,907 | 93,056 | (2) | 116,006 | | 2,160 | 113,846 |
| Thomas Jefferson National Accelerator Facility | 65,000 | 0 | 0 | | 65,000 | | 0 | 65,000 |
| Total | 345,759 | 107,712 | 130,881 | | 584,352 | 0 | 84,200 | 500,152 |

(1) Argonne National Lab banked 4,521 in FY 2004 but waived 93,056 sf to the Stanford Linear Accelerator Center (SLAC). Therefore -85,535 sf is reflected.

(2) SLAC waived in 93,056 sf of space banked at Argonne National Lab.

*Courtesy ME-90



Space Bank-3

Bottom Line:

- Banked space plus planned elimination enough to cover currently planned SC new construction, but not significant new additions – e.g., GTL